

**In the Drawings:**

Attached please find one Replacement Drawing Sheet, identified as Figures 1-2. The only change is the label (Prior Art) added to Figure 1. No other changes to the figures have been made.

Entry of this Drawing Sheet is respectfully requested.

Attachment: One Replacement Drawing Sheet

### **Remarks**

Claims 1-20 are currently pending in the patent application. For the reasons and arguments set forth below, Applicant respectfully submits that the claimed invention is allowable over the cited references.

The instant Office Action dated August 14, 2007, requests that Figure 1 should be designated as Prior Art and indicates that claims 1-18 stand rejected under 35 U.S.C. 102(b) over Grebennikov *et al.* (U.S. Patent No. 6,791,407).

Regarding the request to designate Figure 1 as prior art, Applicant has complied with this request as indicated on page 5 of this paper.

Applicant respectfully traverses the Section 102(b) rejection of claims 1-18 because the cited portions of the Grebennikov reference do not correspond to the claimed invention which includes, for example, aspects directed to a detector that measures the levels of the forward and reflected signals of an amplified signal. The Office Action attempts to assert correspondence to these aspects of the claimed invention based on Grebennikov teaching that information signal 147 may be the present output power level from output 108 of the amplifier 100. *See, e.g.*, Figure 1 and Col. 6:22-30. However, these portions of Grebennikov simply teach using the output power level to configure the amplifier stages (102 and 106); there is no mention of measuring the levels of the forward and reflected signals of an amplified signal (*i.e.*, the output of amplifier 100). Applicant finds no mention of the levels of forward and reflected signals of an amplified signal in the Grebennikov reference. Notwithstanding, in a effort to facilitate prosecution, Applicant has amended the independent claims to clarify that the detector measures both the forward signal level and the reflected signal level respectively of the amplified signal, and that the control circuit uses both levels to control turning on and off the first active devices. The cited portions of Grebennikov do not teach measuring both the forward signal level and the reflected signal level or controlling the active devices as a function of both the forward signal level and the reflected signal level. Accordingly, the Section 102(b) rejection of claims 1-18 is improper and Applicant requests that it be withdrawn.

Applicant further traverses the Section 102(b) rejection of claims 1-18 as improper because the Grebennikov reference does not apply as prior art under 35 U.S.C.

§ 102(b). Therefore, Applicant requests that the rejection under Section 102(b) be withdrawn.

Applicant further traverses the Section 102(b) rejection of claims 8 and 11 because the cited portions of Grebennikov do not correspond to aspects of the claimed invention directed to a capacitor being coupled between the input match circuit and the driver stage (or a capacitor being coupled between the inter-stage match circuit and the output stage). The Office Action cites to Grebennikov's input matching circuit 112 and inter-stage matching circuit 128, which may include capacitors. *See, e.g.*, Figure 1 and Col. 4:55-60. However, the claims require that there be a capacitor coupled between a match stage and the driver or output stage. Grebennikov's teaching of a matching circuit that includes a capacitor does not correspond to these aspects of the claimed invention. Accordingly, the Section 102(b) rejection of claims 8 and 11 is improper and Applicant requests that it be withdrawn.

Applicant notes that a minor amendment has been made to claim 12 to improve readability. This amendment is not being made to overcome the rejection raised by the Office Action, which fails for the reasons discussed above.

Applicant has added new claims 19 and 20, which Applicant submits are allowable over the Grebennikov reference for at least the reasons discussed above. Moreover, Grebennikov does not teach any comparison involving the forward signal level and the reflected signal level.

In view of the remarks above, Applicant believes that each of the rejections has been overcome and the application is in condition for allowance. Should there be any remaining issues that could be readily addressed over the telephone, the Examiner is asked to contact the agent overseeing the application file, Peter Zawilski, of NXP Corporation at (408) 474-9063 (or the undersigned).

*Please direct all correspondence to:*

Corporate Patent Counsel  
NXP Intellectual Property & Standards  
1109 McKay Drive; Mail Stop SJ41  
San Jose, CA 95131

CUSTOMER NO. 65913

By: 

Name: Robert J. Crawford  
Reg. No.: 32,122  
651-686-6633  
(NXPS.318PA)